

# ***Lava Beds National Monument***

## **Curriculum Standards- Ranger in the Classroom**

### **Content: Bats**

### **Kindergarten-2<sup>nd</sup> grade**

The following curriculum standards for California and Oregon are incorporated into this ranger in the classroom presentation.

Kindergarten: Science  
Life Science

2. Different types of plants and animals inhabit the earth. As a Basis for understanding this concept:

- a. Students know how to observe and describe similarities and differences in the appearance and behavior of plants and animals (e.g., seed-bearing plants, birds, fish, insects).
- c. Students know how to identify major structures of common plants and animals (e.g., stems, leaves, roots, arms, wings, legs).

Investigation and Experimentation

4. Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:

- e. Communicate observations orally and through drawings.

Grade 1: Science  
Life Science

2. Plants and animals meet their needs in different ways. As a basis for understanding this concept:

- a. Students know different plants and animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places
- b. Students know both plants and animals need water, animals need food, and plants need light.
- c. Students know animals eat plants or other animals for food and may also use plants or even other animals for shelter and nesting.

## Investigation and Experimentation

4. Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:

- a. Draw pictures that portray some features of the thing being described

## Grade 2: Science

### Life Sciences

2. Plants and animals have predictable life cycles. As a basis for understanding this concept:

- a. Students know that organisms reproduce offspring of their own kind and that the offspring resemble their parents and one another.
- f. Students know flowers and fruits are associated with reproduction in plants.